Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

- (Orginal) A polypeptide F' that induces an immune response against the
 hepatitis C virus, characterized in that it consists of 99 amino acids located between positions
 43 and 141 of the hepatitis C virus polyprotein.
- 2. (Orginal) The polypeptide F' as claimed in claim 1, characterized in that it has the sequence SEQ ID No.1 below:

 $X_{1}WVCX_{2}X_{3}X_{4}X_{5}RLPSGX_{6}NX_{7}X_{8}X_{9}X_{10}X_{11}X_{12}LX_{13}X_{14}RX_{15}X_{16}X_{17}PRX_{18}GX_{19}G$ $X_{20}SX_{21}GX_{22}X_{23}GX_{24}SX_{25}X_{26}X_{27}RX_{28}X_{29}X_{30}GX_{31}DGSCX_{32}PX_{33}X_{34}X_{35}GLX_{36}GAX_{37}X_{38}T$ $PX_{39}X_{40}GX_{41}X_{42}X_{43}WVX_{44}SSX_{45}X_{46}X_{47}X_{48}X_{49}X_{50}X_{51}PX_{52}SWGX_{53}X_{54}RX_{55}SX_{56},$

in which

X₁ is G, D, E, V or S, X₂ is A or V, X₃ is R, H or Q, X₄ is L, R, P, S or G, X₅ is G or E, X₆ is R, L or H, X₇ is L or P, X₈ is V, E or A, X₉ is E, V, D or G, X₁₀ is G or D, X₁₁ is D or V, X₁₂ is N or S, X₁₃ is S or F, X₁₄ is P or Q, X₁₅ is L, H, R, F, P or C, X₁₆ is A, V or I, X₁₇ is G, S, D, N, I or V, X₁₈ is A, V or E, X₁₉ is P, S or T, X₂₀ is L, P, H or R, X₂₁ is P or L, X₂₂ is T or I, X₂₃ is L, P or H, X₂₄ is P or L, X₂₅ is M or T, X₂₆ is A, V or P, X₂₇ is M, I or T, X₂₈ is A or V, X₂₉ is W, A, L or V, X₃₀ is G or D, X₃₁ is Q, L or R, X₃₂ is H, L, P or R, X₃₃ is V, A, E, K or T, X₃₄ is A or V, X₃₅ is L, R, H or P, X₃₆ is V, A, I or G, X₃₇ is P or L, X₃₈ is R, Q, L, M, T, E or P, X₃₉ is G or D, X₄₀ is V, A or G, X₄₁ is R or H, X₄₂ is V or A, X₄₃ is I or T, X₄₄ is R, G or K, X₄₅ is I or T, X₄₆ is P or L, X₄₇ is S or L, X₄₈ is H or R, X₄₉ is A or V, X₅₀ is A, V or G, X₅₁ is S or L, X₅₂ is T or I, X₅₃ is T or I, X₅₄ is F, Y or S, X₅₅ is S or L and X₅₆ is A, V, G or H.

- 3. (Orginal) The polypeptide F' as claimed in claim 2, characterized in that it is chosen from the polypeptides of sequences SEQ ID No.2 to SEQ ID No.150, preferably the sequence SEQ ID No.2.
- 4. (Orginal) The polypeptide F' as claimed in claim 1, characterized in that it has the sequence SEQ ID No.151 below:

 $X_{1}WVCX_{2}X_{3}X_{4}X_{5}X_{57}LX_{58}X_{59}X_{60}X_{6}X_{61}X_{7}AX_{9}X_{10}X_{11}X_{12}X_{62}X_{13}PX_{63}X_{15}X_{16}X_{17}X_{64}$ $X_{65}X_{18}X_{66}PGX_{20}SX_{21}GTX_{23}GX_{24}X_{67}X_{25}X_{26}X_{27}RAX_{29}X_{30}X_{68}X_{31}X_{69}GX_{70}CX_{32}X_{71}X_{33}X_{34}X_{35}$ $X_{72}X_{73}X_{36}GX_{74}X_{37}X_{38}TPGX_{40}X_{75}X_{41}AX_{43}X_{76}X_{77}X_{44}SSX_{45}X_{46}X_{47}X_{48}X_{49}X_{50}X_{51}X_{78}X_{52}SWG$ $X_{53}X_{54}RSX_{79}X_{56},$

in which

 X_1 is D, N, S, Y or G, X_2 is A or V, X_3 is R, Q, K or L, X_4 is R, Y, C, F, H, L or P, X_5 is V, A or T, X_6 is H, R or Q, X_7 is L or P, X_9 is D, V, N, R or T, X_{10} is G, D or S, X_{11} is D, V, A, G or E, X_{12} is S, N or T, X_{13} is S, P or F, X_{15} is R, H or L, X_{16} is V or A, X_{17} is G, R, E, H or V, X_{18} is A or D, X_{20} is L, P or R, X_{21} is P or L, X_{23} is L or P, X_{24} is P or L, X_{25} is M or T, X_{26} is V, G, A or E, X_{27} is M, T or I, X_{29} is A or V, X_{30} is G, V or D, X_{31} is Q or R, X_{32} is P or L, X_{33} is A or V, X_{34} is A or V, X_{35} is P or L, X_{36} is L, A, V, R, I or P, X_{37} is Q, K or P, X_{38} is M or T, X_{40} is V, G, D, E or A, X_{41} is P, H or L, X_{43} is I or T, X_{44} is R or K, X_{45} is I or T, X_{46} is P or L, X_{47} is S or L, X_{48} is R or H, X_{49} is A or V, X_{50} is D, G, A or V, X_{51} is S or L, X_{52} is T, I or A, X_{53} is T or I, X_{54} is F or S, X_{56} is A or V, X_{57} is K, R or N, X_{58} is L, P or Q, X_{59} is S or N, X_{60} is G or D, X_{61} is S or N, X_{62} is L or P, X_{63} is R or G, X_{64} is A, P or L, X_{65} is R, K, E or T, X_{66} is G or D, X_{67} is S, Y or F, X_{68} is G or W, X_{69} is G or D, X_{70} is S or F, X_{71} is P, H, R or L, X_{72} is V, A, D or G, X_{73} is H, L, P, Q or R, X_{74} is A or P, X_{75} is G or D, X_{76} is W or L, X_{77} is V or A, X_{78} is P or L and X_{79} is S, L or Q.

- 5. (Orginal) The polypeptide F' as claimed in claim 4, characterized in that it is chosen from the polypeptides of sequence SEQ ID No.152 to SEQ ID No.176, preferably the sequence SEQ ID No.152.
- 6. (Previously Presented) A nucleotide sequence encoding any one of the polypeptides F' as defined in claim 1.
- 7. (Orginal) An epitope derived from the protein sequence of the polypeptide F' as defined in claim 1, characterized in that it induces an immune response against the hepatitis C virus and consists of 9 amino acids located between positions 40 and 48 of the hepatitis C virus polyprotein.
- 8. (Orginal) The epitope as claimed in claim 7, characterized in that it has one of the sequences SEQ ID No.177 to SEQ ID No.235, preferably the sequence SEQ ID No.177.
- 9. (Orginal) An epitope derived from the protein sequence of the polypeptide F' as defined in claim 1, characterized in that it induces an immune response against the hepatitis C virus and consists of 9 amino acids located between positions 43 and 51 of the hepatitis C virus polyprotein.
- 10. (Orginal) The epitope as claimed in claim 9, characterized in that it has one of the sequences SEQ ID No.236 to SEQ ID No.236, preferably the sequence SEQ ID No.236.
- 11. (Orginal) An epitope derived from the protein sequence of the polypeptide F' as defined in claim 1, characterized in that it induces an immune response against the hepatitis C virus and consists of 9 amino acids located between positions 50 and 58 of the hepatitis C virus polyprotein.
- 12. (Orginal) The epitope as claimed in claim 11, characterized in that it has one of the sequences SEQ ID No.284 to SEQ ID No.358, preferably the sequence SEQ ID No.284.

- 13. (Orginal) An epitope derived from the protein sequence of the polypeptide F' as defined in claim 1, characterized in that it induces an immune response against the hepatitis C virus and consists of 9 amino acids located between positions 73 and 81 of the hepatitis C virus polyprotein.
- 14. (Orginal) The epitope as claimed in claim 13, characterized in that it has one of the sequences SEQ ID No.359 to SEQ ID No.434, preferably the sequence SEQ ID No.359.
- 15. (Previously Presented) A nucleotide sequence encoding the epitope as defined in claim 7.
- 16. (Previously Presented) An expression vector, characterized in that it comprises a nucleotide sequence as claimed in claim 6, and also the means required for its expression.
- 17. (Orginal) An expression vector, characterized in that it comprises at least two nucleotide sequences as claimed in claim 15, and also the means required for its expression.
- 18. (Previously Presented) A microorganism or a host cell transformed with at least one expression vector as defined in claim 17.
- 19. (Currently Amended) An antibody directed against one of the polypeptides F' as defined in or against an epitope derived from the protein sequence of the polypeptide F' as defined in claim 1, characterized in that it induces an immune response against the hepatitis C virus and consists of 9 amino acids located between positions 40 and 48 of the hepatitis C virus polyprotein.
 - 20. (Canceled)
- 21. (Previously Presented) A pharmaceutical composition, in particular a vaccine, comprising, by way of active substance, at least one of the polypeptides F' as defined in claim

- 1, placed under the control of elements required for constitutive and/or inducible expression of said polypeptides F', in combination with a pharmaceutically appropriate vehicle.
- 22. (Previously Presented) A diagnostic composition for detecting and/or quantifying the hepatitis C virus, comprising at least one of the polypeptides F' as defined in claim 1.
- 23. (Original) A method for detecting and/or quantifying the hepatitis C virus in a biological sample taken from an individual who may be infected with said virus, such as plasma, serum or tissue, characterized in that it comprises the steps consisting in:
- bringing said biological sample into contact with the antibodies as claimed in claim 19 under conditions that allow the formation of a complex between the virus and the antibody, and
- detecting and/or quantifying the formation of said complex by any appropriate means.
 - 24. (Canceled)
- 25. (Previously Presented) An expression vector, characterized in that it comprises a nucleotide sequence as claimed in claim 15, and also the means required for its expression.
 - 26. (New) An antibody directed against the epitope as defined in claim 7.
 - 27. (New) An antibody directed against the epitope as defined in claim 9.
 - 28. (New) An antibody directed against the epitope as defined in claim 11.
 - 29. (New) An antibody directed against the epitope as defined in claim 13.
 - 30. (New) A nucleotide sequence encoding the epitope as defined in claim 9.
 - 31. (New) A nucleotide sequence encoding the epitope as defined in claim 11.
 - 32. (New) A nucleotide sequence encoding the epitope as defined in claim 13.